

[illegible]

A rechargeable electronic watch (10) operating with an energy source comprising a power supply (26) including a power generation means (1) and a power storage means (2) charged with electric energy from said power generation means (1), said rechargeable electronic watch comprising a watch circuit (5) for counting or operating hour information or function information or the like and outputting information, a display means (11) for displaying hour information or function information or the like based on output signal from said watch circuit, a power generation volume detecting means (3) for detecting the power generation volume of said power generation means (1), and a control means (5) for controlling the operation of said watch circuit (5) according to said power generation volume, wherein said watch circuit (5) is driven by at least one clock operation mode selected from a plurality of clock operation modes different in power consumption provided by said watch circuit (5).